Medical Materiel Set X-RAY, LOWCAP, Diagnostic Portable Support and Consumables Handbook

6545-01-332-0150

UA N334

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DRAFT

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U.S. Army Medical Materiel Agency

The information contained in this manual was prepared by the U.S. Army Medical Materiel Agency, Materiel Acquisition Directorate, Ancillary Care Division Fort Detrick, MD

This manual is still in draft form and may contain inaccuracies. To report inaccuracies or additions, please contact 301-619-4344, DSN 343-4344, or **USAMMATSD@amedd.army.mil**. Responses may also be mailed to:

Commander
U.S. Army Medical Materiel Agency
MCMR-MMO-AA
1423 Sultan Drive, Suite 100
Fort Detrick, MD 21702

NOTE: CLICK ON TITLE FOR DIRECT LINK

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PORTABLE COMPUTED RADIOGRAPHY (CR) SYSTEM TOC

SOURCEONE HEALTHCARE TECHNOLOGIES
OREX PcCR-1417 TABLETOP CR SYSTEM
Manufacturer's PHONE: (215) 637-9170 FAX (440) 701-1376
Website: http://www.orex-cr.com

AAC "W" ITEM NSN 6525-01-500-6537
AAC "J" ITEM NSN 6525-01-504-5002

UA N334

USAMMA POC: Equipment Acquisition Division, 301 619-4060, DSN 343-4060
UNIT PRICE: $92,345.00

System Description: This is a portable or tabletop computed radiography system for lower-volume imaging environments. Images are acquired in less than a minute with no film, no chemicals, and no disposal (environmental) issues.

Pre-deployment Training: Hands-on training is required. Training concept is to provide equipment and "train the trainer" training to RTS-MED Site(s) to support training requirements for deploying AC and RC units. No additional cost for training.

Upgrade Advantages

- Virtual elimination of the need for re-takes.
- Elimination of lost images.
- Simplification in the filing of images.
- Electronic transmission of digital images for consultation.
- Eliminates the need for processing chemicals and film.
- Faster processing time. Digital images are acquired in less than one minute.
- Reduces transportation weight.
- Eliminates the need for the disposal of caustic chemicals.

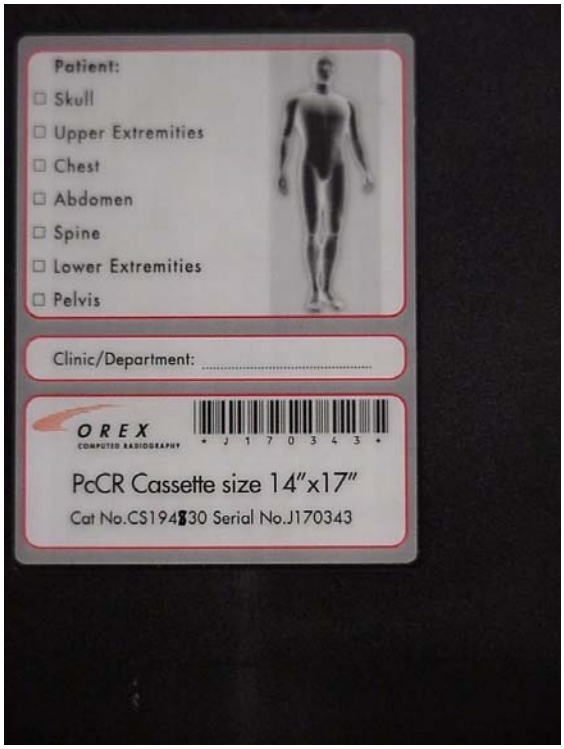
AC ADAPTER
MODEL CF-AA1623AM

TOUGHBOOK, 28 PENTIUM LAPTOP,
384 MB INTERNAL, NSN 6525-01-513-7141
WITH AC ADAPTER (3 PIN),
MODEL CF-AA1623AM

X-RAY PLATE SIZES

1) **10 in X 12 in**
2) **14 in X 17 in**

CR 10” X 12” PLATE & CASSETTE
NSN 6525-01-509-4838



CR 14” X 17” PLATE & CASSETTE
NSN 6525-01-509-4826

CASSETTE HOLDER

OREX PcCR-1417
NSN 6525-01-504-5002

OREX PcCR-1417 PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

CR Case Dimensions	**Height**	**13 inches**	
	Width	**29 inches**	
	Depth	**26 inches**	
	Weight	**100 lbs**	
	Cube	**5.672**	
Toughbook Case Dimensions	**Height**	**16 inches**	
	Width	**25 inches**	
	Depth	**19 inches**	
	Weight	**50 lbs**	
	Cube	**7.6**	
Mil Cassette Case Dimensions	**Height**	**25 inches**	
	Width	**22 inches**	
	Depth	**25 inches**	
	Weight	**150 lbs**	
	Cube	**13.75**	
AC/DC Power Converter	**Input**	**100V – 240V**	**1.2 Amps/.6A – 50-60Hz**
	Output		**15.6V DC – 5 Amps**
Power Requirements		**110 – 120 volts 50-60Hz**	**15 Amps, 1650 Watts**
Operating Temperature		**100 º**	
Storage Temperature		**145 º**	
Humidity		**100 %**	

HARDIGG CASES ONLY

NSN 6525-01-513-4672
NSN 6525-01-513-4674
NSN 6525-01-509-4856
HARDIGG CASES ONLY

COMPUTER SOFTWARE IS REQUIRED FOR OPERATION OF THE CR SYSTEM
(SOFTWARE COMES WITH THE EQUIPMENT)

CR SYSTEM ACCESSORIES/CONSUMABLES (START-UP)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6525-01-533-1454	Orex CR Image Standard Laser Reader	409673G	1	EA	$45,250.00	$45,250.00	Sourceone Healthcare	indef	N	2
6525-01-513-7141	Toughbook 28 Pentium Laptop, 384 MB Internal	409093	2	EA	$5,437.50	$10,875.00	Sourceone Healthcare	indef	N	2
6525-01-509-4826	Orex CR 14 X 17 Plate and Cassette	409079	4	EA	$1,290.00	$5,160.00	Sourceone Healthcare	indef	N	2
6525-01-509-4838	Orex CR 10 X 12 Plate and Cassette	409080	4	EA	$1,080.00	$4,320.00	Sourceone Healthcare	indef	N	2
6525-01-513-4674	Orex Military Hardigg Transport Case for UPS & Computers	409096A	1	EA	$825.00	$825.00	Sourceone Healthcare	indef	N	2
6525-01-509-4856	Orex Military Hardigg PcCR1417 Case	409095	1	EA	$1,392.00	$1,392.00	Sourceone Healthcare	indef	N	2
6525-01-513-4672	Orex Military Hardigg Cassette Case	409096	1	EA	$853.00	$853.00	Sourceone Healthcare	indef	N	2
6525-01-513-4555	650mb Medical Grade CD-R in Jewel Bx	406179	20	10/bx	$27.50	$550.00	Sourceone Healthcare	indef	N	2
6525-01-516-3259	CD File, Write-on CD Bag w/Hangar 20 per pack	S714403	10	20/pz	$10.40	$104.00	Sourceone Healthcare	indef	N	2
6525-01-533-2165	AC Adapter (3 pin)	CF-AA1623AM	1	EA	$55.00	$55.00	Sourceone Healthcare	indef	N	2
6130-01-533-3296	Battery Charger	CF-VCBTB1U	1	EA	$199.00	$199.00	Sourceone Healthcare	indef	N	2
6525-01-533-2160	Lithium Ion Battery Pack	CF-VZSU30U	1	EA	$375.00	$375.00	Sourceone Healthcare	indef	N	2
6525-01-533-1103	Grid, Radiographic 14 X 17	L1467840/P2D	1	EA	$839.46	$839.46	Sourceone Healthcare	indef	N	2
6525-01-533-1106	Grid, Radiographic 10 X 12	L1067840/P2D	1	EA	$501.84	$501.84	Sourceone Healthcare	indef	N	2

CR SYSTEM CONSUMABLES RESUPPLY

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6525-01-513-4555	650mb Medical Grade CD-R in Jewel Bx	406179	20	10/bx	$27.50	$550.00	Sourceone Healthcare	indef	N	2
6525-01-516-3259	CD File, Write-on CD Bag w/Hangar 20 per pack	S714403	10	20/pz	$10.40	$104.00	Sourceone Healthcare	indef	N	2
6525-01-533-2165	AC Adapter (3 pin)	CF-AA1623AM	1	EA	$55.00	$55.00	Sourceone Healthcare	indef	N	2
6130-01-533-3296	Battery Charger	CF-VCBTB1U	1	EA	$199.00	$199.00	Sourceone Healthcare	indef	N	2
6525-01-533-2160	Lithium Ion Battery Pack	CF-VZSU30U	1	EA	$375.00	$375.00	Sourceone Healthcare	indef	N	2

X-RAY APPARATUS RADIOGRAPHIC MINI X-RAY **TOC**
HF PTBL W/16" WHEELS

MINXRAY INCORPORATED
HF 120/60H POWER PLUS
Manufacturer's PHONE (847) 564-0323 FAX (847) 564-9040
Website: http://www.minxray.com/Military.html

AAC "W" ITEM NSN 6525-01-488-4722
AAC "J" ITEM NSN 6525-01-523-1989

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USAMMA POC: Equipment Acquisition Division, 301 619-4060, DSN 343-4060
UNIT PRICE: $21,657.60

System Description: The Minxray portable medical x-ray system package is a new standard for field deployable and battlefield portable diagnostic radiography. This system consists of Model HF120/60HPPWV PowerPlus high frequency portable x-ray unit, the Model XGSMKIVLW gas spring portable mobile stand with sixteen (16") wheels, and the Model HF100HSTC Hardigg mil spec system transport case.

Special Features:

- The HF120/60HPPWV PowerPlus produces 40-120kVDC and over 200 mAs. This unique High Burst design enables output between 60-20 mA, even when used with 120 VAC input. This x-ray unit can be used worldwide with any voltage input between 100 VAC and 260 VAC, 50/60 Hz.

- The XGSMKIVLW stand offers a unique design that converts within seconds between its folded, two-shelled transport mode and a fully functional x-ray stand. The x-ray unit can be easily positioned for any view with both ambulatory and non-ambulatory patients.

- The entire x-ray system of x-ray unit and stand weighs 96.5 lbs. (43.8 kg) and is compatible with digital and analog imaging media.

- The MinXray's unit features wave rectified, high frequency electronic platforms and possess the highest power-to-weight ratios available.

  This unit also features five (5) memory stations to store and easily recall frequently used exposure techniques. This system has the ability to switch between mAs and actual exposure time. The collimator can be rotated by the technician so that any shot can be properly oriented. The most power available in a portable x-ray unit.

CHARACTERISTICS

Tube head Dimensions		**16”L x 8.8”W x 9.5”H (40.6cm x 22.4 cm x 23.9 cm)**
Hardigg Case		**61”L x 27”W x 33”H (1.6 M x 0.7 M x 0.8M)**
Weight (System & Stand)		**96.5 lbs (43.8 kg)**
Weight (Hardigg Case Sys)		**221.5 lbs (100.6 kg)**
Unit Pack Cube		**10.0 cubic ft**
X-Ray Tube		**Superior SXR-130-15-1.2**
Focal Point		**1.2 mm**
Anode Heat Storage		**65 KHU**
Total Filtration incl. Collimator		**3.2 mm Al equivalent**
Frequency		**80 KHz**
Line Voltage		**100-260 VAC, 50/80 Hz**
Fuse Rating		**30A**
Electrical Consumption		**19A @ 120 V; 9A @ 230V**
Maximum Consumption		**3.5 Kva+/-10%**
Watts		**2,280 @ 120V, 2070 @230V**

GAS SPRING MOBILE STAND WITH 16 INCH WHEELS XGSMKIVLW

HIGH FREQUENCY X-RAY UNIT HF120/60HPPWV

RADIOGRAPHIC IMAGE

HARDIGG MIL SPEC SYSTEM TRANSPORT CASE NSN 6525-01-523-5953

X-RAY APPARATUS RADIOGRAPHIC ACCESSORIES AND CONSUMABLES

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6525-01-523-5950	Gas Spring Portable Mobile Stand with 16” wheels	XGSMKIVLW	1	EA	$2,921.10	$2,921.10	MINXRAY.INC	N	N	2
6525- 01-523-5953	Mil Spec Hardigg Sys Transport Case	HF100HSTC	1	EA	$2,250.00	$2,250.00	MINXRAY.INC	N	N	2
6150-01-528-7146	Power Cord (2 each 20’) (no plug)	SJT-14/3 HG	2	EA	$19.27	$38.54	MINXRAY.INC	N	N	2
6525-01-524-2977	Exposure Cord (25’ Coiled)	279-295	1	EA	$23.53	$23.53	MINXRAY.INC	N	N	2